

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
30 June 2005 (30.06.2005)

PCT

(10) International Publication Number
WO 2005/058200 A1

(51) International Patent Classification⁷: **A61F 2/02, 2/06**

(21) International Application Number:
PCT/US2004/042474

(22) International Filing Date:
15 December 2004 (15.12.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/529,470 15 December 2003 (15.12.2003) US
60/529,479 15 December 2003 (15.12.2003) US
60/529,489 15 December 2003 (15.12.2003) US
60/529,534 15 December 2003 (15.12.2003) US

(71) Applicant (for all designated States except US): **ENDOLUMEN THERAPEUTICS, INC.** [US/US]; 2911 S.W. Orchard Hill Place, Lake Oswego, OR 97035 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CAMPBELL, Todd, D.** [US/US]; 133 Grevillia Drive, Petaluma, CA 94952 (US). **HENSEL, James, F.** [US/US]; 2911 S.W. Orchard Hill Place, Lake Oswego, OR 97035 (US).

(74) Agent: **ABNEY, James, R.**; Kolisch, Hartwell, P.C., 520 S.W. Yamhill Street, Suite 200, Portland, OR 97204 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/058200 A1

(54) Title: SYSTEMS FOR GEL-BASED MEDICAL IMPLANTS

(57) Abstract: Systems, including methods and apparatus, for medical implants including a gel.